



Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

17712 U.S. PTO  
10/644141



In re Application of: THIRUMOORTHY

Serial No.: Not yet assigned

Filing Date: Filed herewith

For: ADAPTIVE SCALING AND ECHO  
REDUCTION

)  
)  
) Examiner: Not yet assigned

)  
) Group Art Unit: Not yet assigned

)  
) Docket No.: P16467

**MS PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**UTILITY PATENT APPLICATION TRANSMITTAL  
(Large Entity)**

Sir:

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled: **ADAPTIVE SCALING AND ECHO REDUCTION**

and invented by: **THIRUMOORTHY**

Enclosed are:

1. ☒ Filing Fee as calculated and transmitted as described below
2. ☒ Specification having 23 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross references to Related Applications (*if applicable*)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development

- d. ☐ Reference to Microfiche Appendix (*if applicable*)
- e. ☒ Background of the Invention
- f. ☐ Brief Summary of the Invention
- g. ☒ Brief Description of the Drawings (*if drawings filed*)
- h. ☒ Detailed Description
- i. ☒ Claim(s) as Classified Below
- j. ☒ Abstract of the Disclosure
- 3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)
  - a. ☒ Formal                      Number of Sheets 6
  - b. ☐ Informal                      Number of Sheets
- 4. ☒ Oath or Declaration
  - a. ☒ Newly executed (*original or copy*)                      ☐ Unexecuted
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))
  - c. ☒ With Power of Attorney                      ☐ Without Power of Attorney
  - d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the Prior Application, see 37. CFR 1.63(d)(2) and 1.33(b).
- 5. ☐ Incorporation By Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- 6. ☒ Assignment Papers (*cover sheet & documents(s)*)
- 7. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
- 8. ☐ English Translation Document (*if applicable*)
- 9. ☐ Information Disclosure Statement/PTO-1449                      ☐ Copies of IDS Citations
- 10. ☐ Preliminary Amendment
- 11. ☒ Acknowledgement Postcard
- 12. ☒ Mailed Via
  - ☐ First Class                      ☒ Express Mail (*Specify Label No.*) **EV334067849US**
- 13. ☐ Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
- 14. ☐ Request and Certification under 35 USC 122(b)(2)(B)(i) (*attach PTO/SB/35*)
- 15. ☒ Additional Enclosures: Credit Card Payment Form

**FEE CALCULATION**

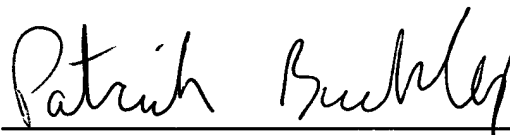
For	No. Filed	No. Allowed	No. Extra	Rate	Fee
Total Claims	30	- 20	10	\$ 18.00	\$ 180.00
Indep. Claims	6	- 3	3	\$ 84.00	\$ 252.00
Multiple Dependent Claims (If applicable, please add \$ 280.00)					\$ 0.00
<b>BASIC FEE</b>					\$ 750.00
<b>OTHER FEE</b> (specify purpose):					\$ 0.00
<b>TOTAL FILING FEE</b>					<b>\$1,182.00</b>

Credit Card Authorization for **\$1,182.00** and **\$40.00** are enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1852 as described below. A duplicate copy of this sheet is enclosed.

- ☒ Credit any overpayment.
- ☒ Charge any additional fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,



Patrick J. Buckley  
 Registration No. 40,928  
 Buckley, Maschoff, Talwalkar & Allison LLC  
 Five Elm Street  
 New Canaan, CT 06840  
 (203) 972-0191

August 20, 2003  
 Date